

REMARKS

In response to the Advisory Action, Claims 1, 2 and 5-8 are amended. Claims 1-8 remain in the Application. Reconsideration of the pending claims is respectfully requested in view of the above amendment and the following remarks.

I. Claims Rejected Under 35 U.S.C. §103(a)

Claims 1, 5 and 6 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Publication No. 2003/0063558 of Kim (“Kim”) in view of U.S. Patent No. 6,628,673 issued to McFarland, et al. (“McFarland”) and further in view of U. S. Patent No. 5,646,632 issued to Khan et al. (“Khan”). Claims 1-4 and 6-8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Publication No. 2004/0076239 of Yu, et al. (“Yu”) in view of McFarland and further in view of Khan.

With respect to the rejection of the independent Claim 1, this claim is amended to recite the elements of “(b) **grouping** the plurality of the mobile stations according to a predetermined duration of time, and generating a reference timing signal for each group and relative delay times among the mobile stations;” and “(d) **restoring phases** of the OFDM symbols divided into subchannel groups **based on the estimation of the relative delay times among the mobile stations.**” Independent Claim 7 is also amended to recite analogous elements.

Applicants submit that the cited references do not teach or suggest these elements. None of the cited references disclose the operations of grouping mobile stations according to a predetermined duration of time, and restoring phases based on an estimation of relative delay times among the mobile stations. Further, it is noticed that Applicants’ remarks in the Response to Final Office Action (filed on October 9, 2007), regarding the cited references’ failure to disclose using relative delays in phase restoration, were not addressed by the Examiner in the Advisory Action. Therefore, Applicants reiterate this point in the paragraph below.

The Examiner relies on Kim for disclosing phase restoration of the OFDM symbols, and relies on McFarland for disclosing division of the OFDM symbols that have undergone FFT processing into subchannel groups. However, the cited references do not disclose that that phase restoration of the OFDM symbols is based on an estimation of relative delay times among the mobile stations. The calculation of relative delays disclosed by Khan is for purposes completely unrelated to phase restoration. Rather, Khan discloses that the relative delays (time offsets) are

used for distinguishing signal sources. See col. 2, lines 59-61 of Khan, "[t]he time offset allows the pilot signals of one base station to be distinguished from those of other base stations." Khan also discloses the use of relative delays for identifying the location of a mobile. See FIG. 3 and col. 4, line 1 to col. 5, line 38. There is no indication in Khan that the relative delays can be used for phase restoration. Thus, the cited references do not teach or suggest each of the elements of amended Claims 1 and 7.

Claims 2-6 and 8 depend from Claims 1 and 7, respectively, and incorporate the limitations thereof. Thus, for at least the reasons mentioned above, the cited references do not teach or suggest each of the elements of these dependent claims.

Accordingly, reconsideration and withdrawal of the §103 rejection are requested.

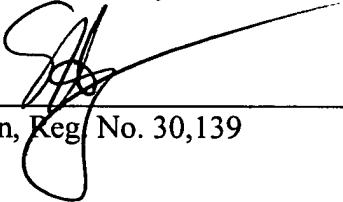
CONCLUSION

In view of the foregoing, it is believed that all claims are now in condition for allowance and such action is earnestly solicited at the earliest possible date. If there are any additional fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666.

Respectfully submitted,

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Dated: December 6, 2007

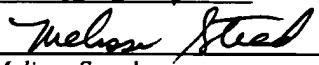


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